

2017 California DWC Conference

John Standish, Chief Analytics Officer











Problem Solving

Data Silos

Who is your customer?

What do they want?

Why claims?

How can I help?

Product/ Pricing/ Coverage Gaps **Big Data**

Social data
- too much
noise,
copyright
issues

3rd Party data - -Which ones?

Relevance -- How ? Manual Process Rising Claim Expenses

Pay or deny?

Patterns in numerous claims (volume)

Rising severity of claims

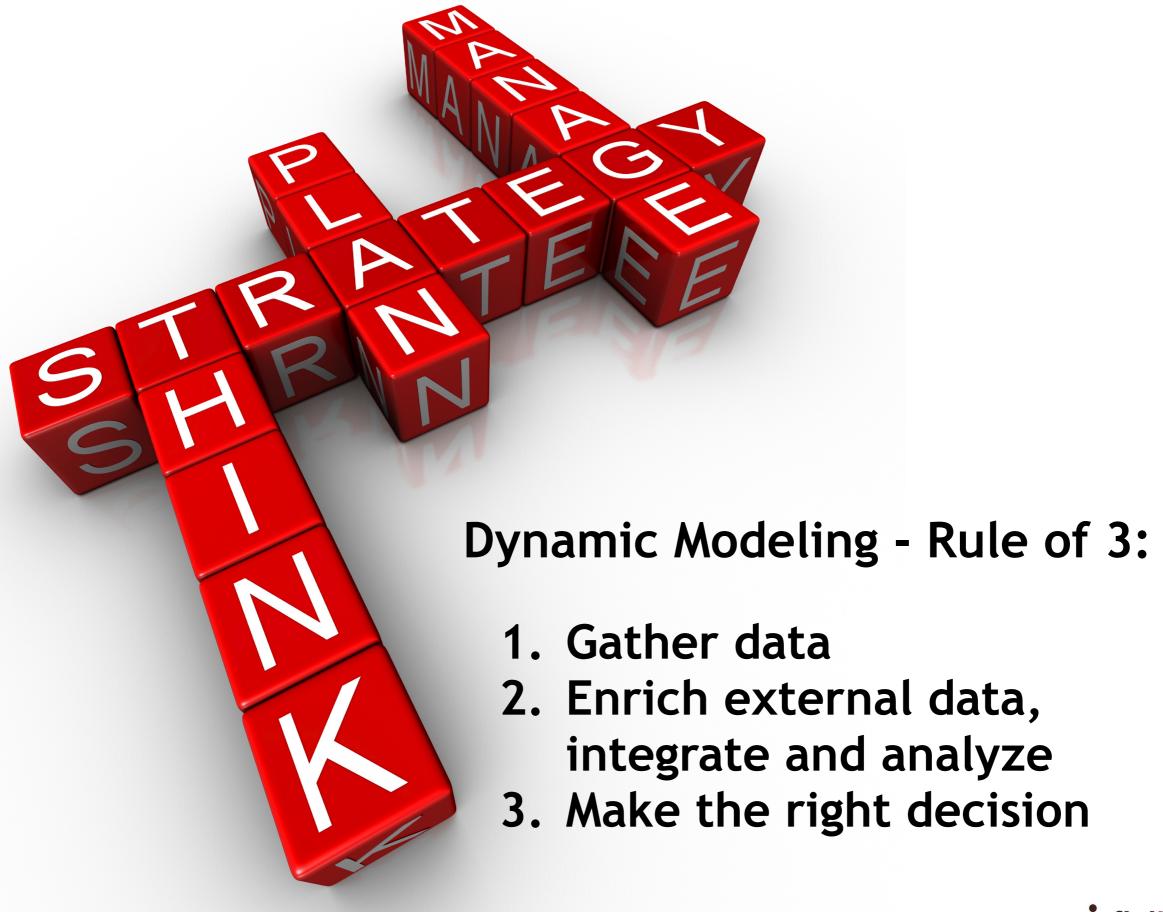
Litigation risks

Time consuming

Common patterns, trends of questionable claims (FWA)

Dependencies





The Main 4 for WC

- Robotic Process Automation (RPA)
- **Operational Intelligence**
- · Analytics Deep Learning
- **Dynamic Predictive Modeling**

Analysis

Advanced Analytics - WC Context

Dynamic Modeling

AUTOMATION

01

Automated data gathering

Data enrichment

Referral speed and accuracy

Right Data

OPERATIONAL INTEL

02

Provider validation,

ICD Codes NDC
Codes, medical
necessity, context
based social media

Right Time

ANALYTICS

03

Patterns, machine
learning,
underwriting risk,
severity of claims,
loss ratios, Rx (NDC),
claim expense and
reserves, injury
patterns

Right Person

Advanced Analytics

DEEP LEARNING

04

Impact - core
business process,
high data volume,
correlations, connect
the data silos

Right Decision

PREDICTIVE MODELING

05

Dynamic patterns, litigation severity, risks, losses

Future

Automation Continuum

Artificial Intelligence



Robotic Process Automation (RPA)

- Gather, collate and validate information
- Synthesize and analyze structured & unstructured data
- · Calculate and decide what to do
- Communicate and assist users, clients & customers

 Productivity
- Orchestrate & manage activities
- Monitor, detect and report operational performance
- Learn, anticipate & forecast behavior & outcomes

AUTOMATION

Repeatabil

One Day



"Does your car have any idea why my car pulled it over?"



INTERNET OF THINGS

Eight Top Ideas by Insurers for the IoT









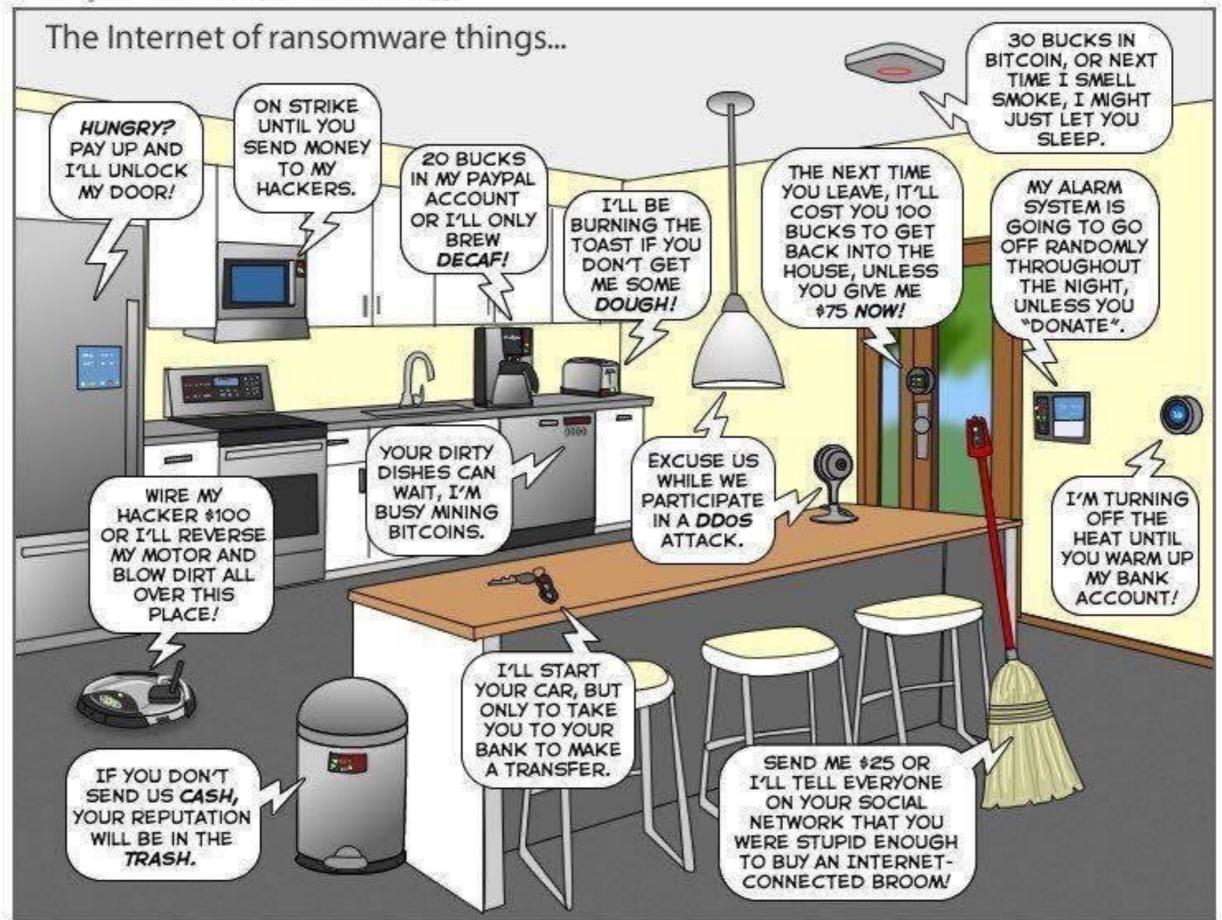








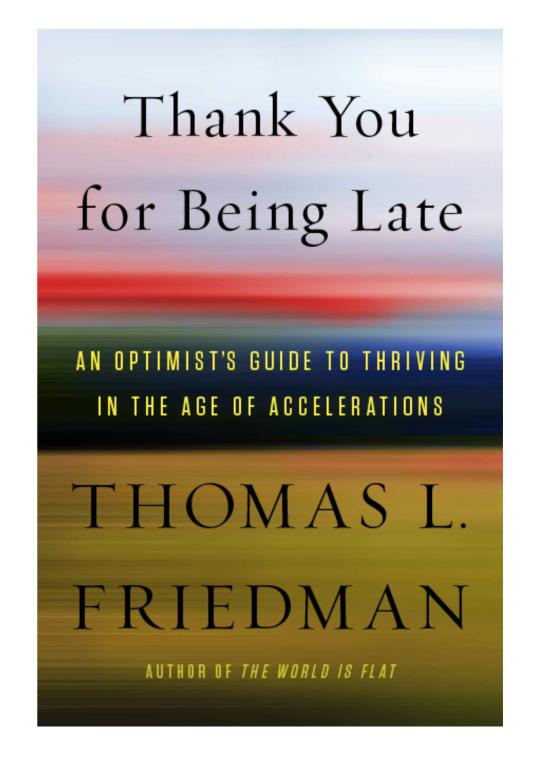




Suggested Reading

Thank You for Being Late -An Optimist's Guide to Thriving in the Age of Accelerations

Thomas L. Friedman

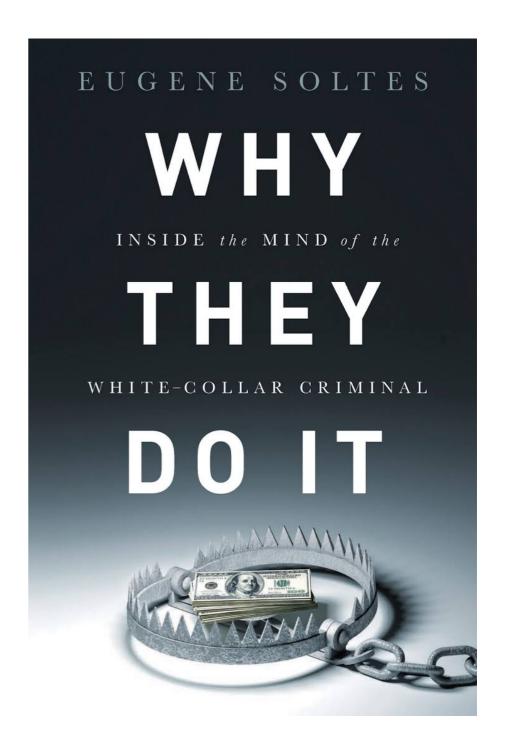


http://www.thomaslfriedman.com/thank-you-for-being-late/

Suggested Reading

Why They Do It Inside the Mind of a
White-Collar
Criminal

Eugene Soltes



Thank You!

jstandish@infinilytics.com

(760) 809-3553



http://www.linkedin.com/pub/john-standish/9/548/alb/



@JohnStandish I 36





www.infinilytics.com